

Glass Product Manufacturing Made of Purchased Glass: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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CONTENTS

Introduction to the Economic Census	v
Manufacturing	ix

Tables

1. Historical Statistics for the Industry: 2002 and Earlier Years ...	1
2. Industry Statistics for Selected States: 2002	2
3. Detailed Statistics by Industry: 2002	3
4. Industry Statistics by Employment Size: 2002.....	4
5. Industry Statistics by Primary Product Class Specialization: 2002	5
6a. Products Statistics: 2002 and 1997	6
6b. Product Class Shipments for Selected States: 2002 and 1997 .	8
7. Materials Consumed by Kind: 2002 and 1997.....	9

Appendixes

A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Methodology	C-1
D. Geographic Notes	--
E. Metropolitan and Micropolitan Statistical Areas	--
F. Comparability of Product Classes and Product Codes: 2002 to 1997	F-1

-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
327215, Glass product manufacturing made of purchased glass	2002...	1 463	1 635	60 725	2 071 019	47 554	94 279	1 393 593	5 640 890	4 969 820	10 567 821	'363 612
	2001...	N	N	62 501	2 085 212	49 125	101 705	1 353 928	6 033 443	4 779 783	10 863 926	508 554
	2000...	N	N	63 564	2 115 840	50 616	105 576	1 426 495	6 384 113	5 134 652	11 504 806	504 957
	1999...	N	N	62 414	2 030 651	49 625	103 804	1 346 108	5 799 453	4 945 194	10 676 535	466 667
	1998...	N	N	60 682	1 861 156	47 981	97 168	1 259 069	5 276 209	4 401 926	9 669 613	365 668
	1997...	1 522	1 650	60 419	1 823 475	47 475	97 212	1 245 085	5 264 075	4 410 155	9 644 711	554 719

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
327215, Glass product manufacturing made of purchased glass												
United States	2	1 635	487	60 725	2 071 019	47 554	94 279	1 393 593	5 640 890	4 969 820	10 567 821	'363 612
Arizona	1	24	6	429	15 135	286	602	9 593	46 060	24 575	70 601	'2 581
Arkansas	1	8	3	213	5 140	186	412	3 692	13 367	18 661	30 415	'274
California	3	218	54	5 002	152 582	3 898	7 620	101 794	363 248	265 160	624 382	'28 586
Colorado	8	32	6	536	19 977	339	679	9 682	37 987	30 479	68 037	'2 945
Connecticut	1	20	8	802	25 387	517	1 030	14 239	43 969	26 716	71 249	'1 812
Florida	2	102	21	1 464	45 625	1 157	2 359	32 306	107 815	66 261	173 495	'5 665
Georgia	—	32	11	1 299	42 430	996	1 927	27 099	112 294	90 697	206 368	'12 056
Illinois	1	57	14	1 838	49 638	1 438	2 711	27 341	138 180	185 743	326 660	'7 215
Indiana	—	62	28	4 974	177 073	4 113	8 642	132 424	467 180	397 328	859 453	'25 579
Kentucky	—	22	10	2 000	71 239	1 610	3 471	48 643	214 442	223 017	434 350	'22 750
Maryland	2	17	3	154	3 799	115	252	2 606	8 666	7 093	15 212	'338
Massachusetts	6	34	7	1 076	49 129	687	1 561	20 266	83 107	45 375	128 492	'5 622
Minnesota	—	26	7	2 088	78 346	1 642	3 586	52 068	190 519	127 810	321 343	'10 069
New Jersey	2	68	31	2 975	104 081	2 302	4 559	68 913	244 717	153 080	394 779	'14 373
New York	2	104	30	2 032	71 980	1 488	2 529	43 207	165 072	110 762	276 665	'13 938
North Carolina	5	75	25	4 329	136 293	3 240	6 098	90 827	394 677	275 599	686 084	'19 988
Oregon	2	37	7	671	23 034	487	944	16 042	44 337	40 418	83 317	'4 812
Pennsylvania	6	77	32	3 435	115 716	2 703	5 257	79 358	463 469	531 078	995 358	'32 620
Tennessee	—	29	11	2 498	72 154	2 188	4 457	57 647	190 629	286 923	477 618	'12 121
Texas	3	91	20	1 730	51 647	1 367	2 715	35 111	126 068	128 977	253 905	'10 097
Washington	3	52	12	1 501	48 398	1 181	2 437	32 343	120 359	114 301	231 664	'7 574
Wisconsin	—	36	11	2 329	70 980	2 014	3 829	54 664	225 811	262 475	481 136	'14 282

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
327215, Glass product manufacturing made of purchased glass	
Companies ¹	number.. 1 463
All establishments ²	number.. 1 635
Establishments with 1 to 19 employees	number.. 1 148
Establishments with 20 to 99 employees	number.. 329
Establishments with 100 employees or more	number.. 158
All employees ³	number.. 60 725
Total compensation	\$1,000.. 2 653 569
Annual payroll	\$1,000.. 2 071 019
Total fringe benefits	\$1,000.. 582 550
Production workers, average for year	number.. 47 554
Production workers on March 12	number.. 47 175
Production workers on May 12	number.. 47 958
Production workers on August 12	number.. 47 727
Production workers on November 12	number.. 47 247
Production worker hours	1,000.. 94 279
Production worker wages	\$1,000.. 1 393 593
Total cost of materials	\$1,000.. 4 969 820
Materials, parts, containers, packaging, etc., used	\$1,000.. 4 392 741
Resales	\$1,000.. 255 182
Purchased fuels	\$1,000.. 58 773
Purchased electricity	\$1,000.. 157 993
Contract work	\$1,000.. 105 131
Quantity of electricity purchased for heat and power	1,000 kWh.. 2 993 521
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 10 567 821
Primary products value of shipments	\$1,000.. 9 994 242
Secondary products value of shipments	\$1,000.. 231 287
Total miscellaneous receipts	\$1,000.. 342 292
Value of resales	\$1,000.. 307 555
Contract receipts	\$1,000.. 17 277
Other miscellaneous receipts	\$1,000.. 17 460
Primary products specialization ratio	percent.. 98
Value of primary products shipments made in all industries	\$1,000.. 10 416 379
Value of primary products shipments made in this industry	\$1,000.. 9 994 242
Value of primary products shipments made in other industries	\$1,000.. 422 137
Coverage ratio	percent.. 96
Value added	\$1,000.. 5 640 890
Total inventories, beginning of year	\$1,000.. 943 024
Finished goods inventories	\$1,000.. 355 079
Work-in-process inventories	\$1,000.. 200 092
Materials and supplies inventories	\$1,000.. 387 853
Total inventories, end of year	\$1,000.. 991 196
Finished goods inventories	\$1,000.. 385 278
Work-in-process inventories	\$1,000.. 212 782
Materials and supplies inventories	\$1,000.. 393 136
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. ⁵ 642 076
Total capital expenditures (new and used)	\$1,000.. ³ 663 612
Buildings and other structures (new and used)	\$1,000.. ⁴ 40 021
Machinery and equipment (new and used)	\$1,000.. ³ 223 591
Automobiles, trucks, etc., for highway use	\$1,000.. ¹ 0 092
Computers and peripheral data processing equipment	\$1,000.. ¹ 18 404
All other expenditures for machinery and equipment	\$1,000.. ² 95 095
Total retirements	\$1,000.. ¹ 64 965
Gross value of depreciable assets at end of year	\$1,000.. ⁵ 840 723
Depreciation charges during year	\$1,000.. ⁴ 24 613
Total rental payments	\$1,000.. 120 120
Buildings and other structures	\$1,000.. 69 677
Machinery and equipment	\$1,000.. 50 443
Total other expenses ⁴	\$1,000.. 630 537
Response coverage ratio ⁵	percent.. 80
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 93 952
Communications services ⁴	\$1,000.. 15 410
Legal services ⁴	\$1,000.. 23 715
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 8 222
Advertising and promotional services ⁴	\$1,000.. 14 815
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 11 636
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 17 361
Management consulting and administrative services ⁴	\$1,000.. 17 462
Taxes and license fees ⁴	\$1,000.. 35 836
All other expenses ⁴	\$1,000.. 392 126

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
327215, Glass product manufacturing made of purchased glass											
All establishments	2	1 635	60 725	2 071 019	47 554	94 279	1 393 593	5 640 890	4 969 820	10 567 821	'363 612
Establishments with—											
1 to 4 employees	9	843	1 590	48 589	1 233	2 275	34 039	102 853	93 548	196 296	'5 614
5 to 9 employees	7	170	1 105	38 807	849	1 686	26 248	82 113	71 320	154 260	'4 562
10 to 19 employees	4	135	1 845	61 220	1 368	2 597	39 389	139 031	91 272	228 728	'12 558
20 to 49 employees	2	198	6 233	201 273	4 653	9 131	125 857	474 340	341 196	810 818	'33 186
50 to 99 employees	2	131	9 086	284 260	6 941	13 945	187 554	718 243	620 504	1 336 205	'42 687
100 to 249 employees	1	105	16 190	524 790	12 732	24 566	349 993	1 470 499	1 367 394	2 818 201	'108 487
250 to 499 employees	—	39	13 920	459 439	11 524	22 892	334 567	1 314 113	1 247 696	2 550 868	'70 133
500 to 999 employees	3	11	6 944	255 203	5 456	10 810	170 398	851 096	861 914	1 708 178	'58 768
1,000 to 2,499 employees	—	3	3 812	197 438	2 798	6 377	125 548	488 602	274 976	764 267	27 617
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	872	2 139	68 132	1 711	3 254	49 007	142 823	133 717	276 073	'8 183

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
327215	Glass product manufacturing made of purchased glass.....	1 635	60 725	2 071 019	47 554	94 279	1 393 593	5 640 890	4 969 820	10 567 821	'363 612
3272151	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made from purchased glass.....	24	2 507	65 090	2 062	4 123	44 088	335 231	398 187	734 108	'20 541
3272153	All other machine-made pressed and blown glassware (including lighting, automotive, electronic, scientific, laboratory, industrial, and technical), made from purchased glass.....	61	6 507	212 052	5 089	10 122	141 022	488 793	458 603	951 330	'32 776
3272155	Handmade pressed and blown glassware, made from purchased glass.....	23	1 213	40 414	892	1 829	24 701	99 644	42 221	141 505	'3 111
3272159	Mirrors (decorated and undecorated), made from purchased glass.....	63	7 593	246 401	5 724	11 437	146 616	705 000	645 420	1 338 420	'37 658
327215B	Other glass products, made from purchased glass.....	385	36 428	1 302 807	28 716	57 042	895 924	3 565 497	3 041 790	6 580 532	'232 534

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
327215	Glass product manufacturing made of purchased glass	2002.. N 1997.. N	X X	X X	10 416 379 9 699 106
3272151	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made from purchased glass	2002.. N 1997.. N	X X	X X	712 456 539 238
32721511	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made from purchased glass	2002.. N 1997.. N	X X	X X	712 456 539 238
3272151100	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made from purchased glass ¹	2002.. 25 1997.. 32	X X	X X	712 456 539 238
3272153	All other machine-made pressed and blown glassware (including lighting, automotive, electronic, scientific, laboratory, industrial, and technical), made from purchased glass	2002.. N 1997.. N	X X	X X	856 495 911 786
32721531	All other machine-made pressed and blown glassware (including lighting, automotive, electronic, scientific, laboratory, industrial, and technical), made from purchased glass	2002.. N 1997.. N	X X	X X	856 495 911 786
3272153100	All other machine-made pressed and blown glassware (including lighting, automotive, electronic, scientific, laboratory, industrial, and technical), made from purchased glass ²	2002.. 58 1997.. 85	X X	X X	856 495 911 786
3272155	Handmade pressed and blown glassware, made from purchased glass	2002.. N 1997.. N	X X	X X	134 678 141 138
32721551	Handmade pressed and blown glassware, made from purchased glass	2002.. N 1997.. N	X X	X X	134 678 141 138
3272155100	Handmade pressed and blown glassware, made from purchased glass ³	2002.. 28 1997.. 38	X X	X X	134 678 141 138
3272159	Mirrors (decorated and undecorated), made from purchased glass	2002.. N 1997.. N	X X	X X	1 433 514 1 040 404
32721591	Mirrors (decorated and undecorated), made from purchased glass	2002.. N 1997.. N	X X	X X	1 432 298 1 038 897
3272159111	Framed mirrors (decorated and undecorated), made from purchased glass ⁴	2002.. 68 1997.. 80	X X	X X	280 927 279 598
3272159121	Unframed mirrors (decorated and undecorated), made from purchased glass ⁴	2002.. 61 1997.. 57	X X	X X	312 050 278 871
3272159131	Automotive mirrors (decorated and undecorated), made from purchased glass ⁴	2002.. 17 1997.. 16	X X	X X	839 321 480 428
3272159Y	Mirrors (decorated and undecorated), made from purchased glass, nsk	2002.. N 1997.. N	X X	X X	1 216 1 507
3272159YVV	Mirrors (decorated and undecorated), made from purchased glass, nsk	2002.. N 1997.. N	X X	X X	1 216 1 507
327215B	Other glass products, made from purchased glass	2002.. N 1997.. N	X X	X X	6 497 100 N
327215B1	Tempered glass, made from purchased glass	2002.. N 1997.. N	X X	X X	2 510 459 N
327215B111	Tempered glass for construction, architectural, and automotive purposes, made from purchased glass ⁵	2002.. 77 1997.. N	X X	X X	2 002 977 N
327215B121	Tempered glass for other uses (including appliances), made from purchased glass ⁵	2002.. 29 1997.. N	X X	X X	507 482 N
327215B2	Optical glass fiber, data and nondata transmission, made from purchased glass	2002.. N 1997.. N	X X	X X	426 329 N
327215B231	Optical glass fiber, data and nondata transmission, made from purchased glass ⁴	2002.. 16 1997.. N	X X	X X	426 329 N
327215B3	All other glass products, made from purchased glass	2002.. N 1997.. N	X X	X X	3 559 924 N
327215B341	Glass and glass fiber optical components, made from purchased glass ⁴	2002.. 25 1997.. N	X X	X X	112 936 N
327215B393	Other glass products (including laminated, multi-glazed and sealed insulating glass units, bent, enameled, stained, leaded, faceted, and colored slabs), made from purchased glass ⁷	2002.. 271 1997.. N	X X	X X	3 446 988 N
327215BY	Other glass products, made from purchased glass, nsk	2002.. N 1997.. N	X X	X X	388 N
327215BYVV	Other glass products, made from purchased glass, nsk	2002.. N 1997.. N	X X	X X	388 N
327215W	Glass product manufacturing made of purchased glass, nsk, total	2002.. N 1997.. N	X X	X X	782 136 604 663
327215WY	Glass product manufacturing made of purchased glass, nsk, total	2002.. N 1997.. N	X X	X X	782 136 604 663
327215WYWW	Glass product manufacturing made of purchased glass, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	510 701 337 764

See footnotes at end of table.

Table 6a. Products Statistics: 2002 and 1997—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
327215	Glass product manufacturing made of purchased glass—Con.				
327215W	Glass product manufacturing made of purchased glass, nsk, total—Con.				
327215WY	Glass product manufacturing made of purchased glass, nsk, total—Con.				
327215WYWY	Glass product manufacturing made of purchased glass, nsk, for administrative-record establishments .....2002..	N	X	X	271 435
	.....1997..	N	X	X	266 899

¹For additional detail, see Current Industrial Report MA327E, Glassware. Also, this product code is primary to more than one industry. See industry 327212, product code 3272123100.

²For additional detail, see Current Industrial Report MA327E, Glassware. Also, this product code is primary to more than one industry. See industry 327212, product codes 3272125100 and 3272127100.

³For additional detail, see Current Industrial Report MA327E, Glassware. Also, this product code is primary to more than one industry. See industry 327212, product code 3272129100.

⁴For additional detail, see Current Industrial Report MA327E, Glassware.

⁵For additional detail, see Current Industrial Report MA327E, Glassware. Also, this product code is primary to more than one industry. See industry 327211, product code 3272114121.

⁶For additional detail, see Current Industrial Report MA327E, Glassware. Also, this product code is primary to more than one industry. See industry 327211, product code 3272114131.

⁷For additional detail, see Current Industrial Report MA327E, Glassware. Also, this product code is primary to more than one industry. See industry 327211, product code 3272114193.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3272151	Machine-made pressed and blown table, kitchen, art, and novelty glassware, made from purchased glass	
	United States 2002 . .	712 456
	United States 1997 . .	539 238
	California 2002 . .	4 385
	California 1997 . .	8 110
3272153	All other machine-made pressed and blown glassware (including lighting, automotive, electronic, scientific, laboratory, industrial, and technical), made from purchased glass	
	United States 2002 . .	856 495
	United States 1997 . .	911 786
	California 2002 . .	86 153
	California 1997 . .	155 123
	Indiana 2002 . .	138 989
	Indiana 1997 . .	N
	New Jersey 2002 . .	138 181
	New Jersey 1997 . .	120 440
	New York 2002 . .	55 288
	New York 1997 . .	73 923
	Pennsylvania 2002 . .	50 046
	Pennsylvania 1997 . .	34 870
3272155	Handmade pressed and blown glassware, made from purchased glass	
	United States 2002 . .	134 678
	United States 1997 . .	141 138
	New Jersey 2002 . .	57 415
	New Jersey 1997 . .	51 388
	Texas 2002 . .	5 715
	Texas 1997 . .	6 187
3272159	Mirrors (decorated and undecorated), made from purchased glass	
	United States 2002 . .	1 433 514
	United States 1997 . .	1 040 404
	California 2002 . .	90 150
	California 1997 . .	92 000
	Florida 2002 . .	23 297
	Florida 1997 . .	14 264
	Indiana 2002 . .	31 870
	Indiana 1997 . .	28 343
	New Jersey 2002 . .	4 522
	New Jersey 1997 . .	N
	New York 2002 . .	25 108
	New York 1997 . .	23 245
	North Carolina 2002 . .	130 160
	North Carolina 1997 . .	135 057
	Oregon 2002 . .	8 817
	Oregon 1997 . .	N
	Pennsylvania 2002 . .	36 865
	Pennsylvania 1997 . .	N
327215B	Other glass products, made from purchased glass	
	United States 2002 . .	6 497 100
	United States 1997 . .	N
	Arizona 2002 . .	39 163
	Arizona 1997 . .	N
	California 2002 . .	282 723
	California 1997 . .	N
	Colorado 2002 . .	49 252
	Colorado 1997 . .	N
	Connecticut 2002 . .	56 534
	Connecticut 1997 . .	N
	Florida 2002 . .	76 760
	Florida 1997 . .	N
	Georgia 2002 . .	164 192
	Georgia 1997 . .	N
	Illinois 2002 . .	148 222
	Illinois 1997 . .	N
	Indiana 2002 . .	635 813
	Indiana 1997 . .	N
	Kentucky 2002 . .	405 536
	Kentucky 1997 . .	N
	Maryland 2002 . .	3 767
	Maryland 1997 . .	N
	Massachusetts 2002 . .	107 626
	Massachusetts 1997 . .	N
	Minnesota 2002 . .	302 917
	Minnesota 1997 . .	N
	New Jersey 2002 . .	124 499
	New Jersey 1997 . .	N
	New York 2002 . .	129 423
	New York 1997 . .	N
	North Carolina 2002 . .	451 980
	North Carolina 1997 . .	N
	Oregon 2002 . .	25 529
	Oregon 1997 . .	N
	Pennsylvania 2002 . .	312 278
	Pennsylvania 1997 . .	N
	Tennessee 2002 . .	281 082
	Tennessee 1997 . .	N
	Texas 2002 . .	161 108
	Texas 1997 . .	N
	Washington 2002 . .	150 582
	Washington 1997 . .	N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
327215	Glass product manufacturing made of purchased glass		
00900001	Total materials .....2002..	X	4 392 741
	.....1997..	X	3 973 189
21232200	Glass sand, all types .....2002..	X	28 191
	.....1997..	X	4 774
32518104	Sodium carbonate (soda ash) (58 percent Na2O) .....2002..	X	444
	.....1997..	X	N
325000A9	Industrial inorganic chemicals (excluding sodium carbonate) .....2002..	X	32 102
	.....1997..	X	27 633
32500055	Other chemicals and allied products .....2002..	X	75 637
	.....1997..	X	66 150
32721103	Glass (float, sheet and plate) .....2002..	X	1 576 897
	.....1997..	X	1 546 730
32721201	Other glass products, including glass tumblers, stemware, and tableware (excluding scrap) .....2002..	X	754 304
	.....1997..	X	603 335
32799215	Minerals and earths, ground or otherwise treated .....2002..	X	5 520
	.....1997..	X	5 681
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	64 960
	.....1997..	X	63 017
32192001	Wood boxes, pallets, skids, and containers .....2002..	X	23 307
	.....1997..	X	32 500
32600015	Fabricated rubber products (excluding tires, tubes, hose, belting, and gaskets) .....2002..	X	25 339
	.....1997..	X	N
32611301	Plastics film and sheet, unsupported .....2002..	X	92 031
	.....1997..	X	170 229
00190028	Cullet (glass scrap) .....2002..	X	8 357
	.....1997..	X	2 827
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	1 021 682
	.....1997..	X	931 180
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	683 970
	.....1997..	X	519 133

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.